

**Amendment to the Claims:**

This listing of claims 1-5 will replace all prior versions, and listing of claims in the application.

1. (Previously Presented) A dual-stack optical data storage medium for at least read out using a focused radiation beam with a wavelength  $\lambda$  between 400 nm and 410 nm and an Numerical Aperture (NA) between 0.84 and 0.86, entering through an entrance face of the medium during read out, comprising:

a substrate with present on a side thereof:

a first stack of layers named L0 comprising a first information layer,

a second stack of layers named L1, comprising a second information layer, L1 being present at a position closest to the entrance face and L0 more remote from the entrance face than L1,

a radiation beam transparent spacer layer between L0 and L1,

a radiation beam transparent cover layer between the entrance face and L1

a transmission stack named TS0 with a thickness  $d_{TS0}$  and an effective refractive index  $n_{TS0}$  containing all layers between L0 and the entrance face,

a transmission stack named TS1 with a thickness  $d_{TS1}$  and an effective refractive index  $n_{TS1}$  containing all layers between L1 and the entrance face,

wherein the spacer layer has a thickness selected from the range 20-30  $\mu\text{m}$ , the

thickness  $d_{TS0}$  in dependence on the refractive index  $n_{TS0}$  and the thickness  $d_{TS1}$  in dependence on the refractive index  $n_{TS0}$ .

2. (Original) An optical data storage medium according to claim 1, wherein the maximum deviations of  $d_{TS0}$  and  $d_{TS1}$  from respectively the average values of  $d_{TS0}$  and  $d_{TS1}$  between a radius of 23 mm and 24 mm of the medium do not exceed  $\pm 0.2 \mu\text{m}$  measured over the whole area of the medium.

3. (Original) An optical data storage medium according to claim 1, wherein  $n_{TS0}$  and  $n_{TS1}$  both have a value of 1.6 and the following conditions are fulfilled:  $95 \mu\text{m} \leq d_{TS0} \leq 105 \mu\text{m}$  and  $70 \mu\text{m} \leq d_{TS1} \leq 80 \mu\text{m}$ .

4. (Original) An optical data storage medium according to claim 1, wherein the spacer layer thickness is  $25 \mu\text{m}$  or substantially close to  $25 \mu\text{m}$  and the cover layer thickness is  $75 \mu\text{m}$  or substantially close to  $75 \mu\text{m}$ .

5. (Original) Use of an optical data storage medium as claimed in claim 1 for reliable data read out from both the first information layer and the second information layer.